



IFWO

## RAW SEQUENCE LISTING

DATE: 07/20/2004

PATENT APPLICATION: US/10/804,937A

TIME: 12:14:14

Input Set : D:\CCF sequence.ST25.txt

Output Set: N:\CRF4\07202004\J804937A.raw

3 <110> APPLICANT: Anand-Apte , Bela  
 5 <120> TITLE OF INVENTION: TIMP3 AS VEGF INHIBITOR  
 7 <130> FILE REFERENCE: CCF-6494  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/804,937A  
 C--> 9 <141> CURRENT FILING DATE: 2004-03-19  
 9 <160> NUMBER OF SEQ ID NOS: 10  
 11 <170> SOFTWARE: PatentIn version 3.2  
 13 <210> SEQ ID NO: 1  
 14 <211> LENGTH: 211  
 15 <212> TYPE: PRT  
 16 <213> ORGANISM: Homo sapiens  
 18 <400> SEQUENCE: 1  
 20 Met Thr Pro Trp Leu Gly Leu Ile Val Leu Leu Gly Ser Trp Ser Leu  
 21 1 5 10 15  
 24 Gly Asp Trp Gly Ala Glu Ala Cys Thr Cys Ser Pro Ser His Pro Gln  
 25 20 25 30  
 28 Asp Ala Phe Cys Asn Ser Asp Ile Val Ile Arg Ala Lys Val Val Gly  
 29 35 40 45  
 32 Lys Lys Leu Val Lys Glu Gly Pro Phe Gly Thr Leu Val Tyr Thr Ile  
 33 50 55 60  
 36 Lys Gln Met Lys Met Tyr Arg Gly Phe Thr Lys Met Pro His Val Gln  
 37 65 70 75 80  
 40 Tyr Ile His Thr Glu Ala Ser Glu Ser Leu Cys Gly Leu Lys Leu Glu  
 41 85 90 95  
 44 Val Asn Lys Tyr Gln Tyr Leu Leu Thr Gly Arg Val Tyr Asp Gly Lys  
 45 100 105 110  
 48 Met Tyr Thr Gly Leu Cys Asn Phe Val Glu Arg Trp Asp Gln Leu Thr  
 49 115 120 125  
 52 Leu Ser Gln Arg Lys Gly Leu Asn Tyr Arg Tyr His Leu Gly Cys Asn  
 53 130 135 140  
 56 Cys Lys Ile Lys Ser Cys Tyr Tyr Leu Pro Cys Phe Val Thr Ser Lys  
 57 145 150 155 160  
 60 Asn Glu Cys Leu Trp Thr Asp Met Leu Ser Asn Phe Gly Tyr Pro Gly  
 61 165 170 175  
 64 Tyr Gln Ser Lys His Tyr Ala Cys Ile Arg Gln Lys Gly Gly Tyr Cys  
 65 180 185 190  
 68 Ser Trp Tyr Arg Gly Trp Ala Pro Pro Asp Lys Ser Ile Ile Asn Ala  
 69 195 200 205  
 72 Thr Asp Pro  
 73 210  
 76 <210> SEQ ID NO: 2  
 77 <211> LENGTH: 91  
 78 <212> TYPE: PRT

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79 &lt;213&gt; ORGANISM: Homo sapiens

81 &lt;400&gt; SEQUENCE: 2

83 Val Glu Arg Trp Asp Gln Leu Thr Leu Ser Gln Arg Lys Gly Leu Asn

84 1 5 10 15

87 Tyr Arg Tyr His Leu Gly Cys Asn Cys Lys Ile Lys Ser Cys Tyr Tyr

88 20 25 30

91 Leu Pro Cys Phe Val Thr Ser Lys Asn Glu Cys Leu Trp Thr Asp Met

92 35 40 45

95 Leu Ser Asn Phe Gly Tyr Pro Gly Tyr Gln Ser Lys His Tyr Ala Cys

96 50 55 60

99 Ile Arg Gln Lys Gly Gly Tyr Cys Ser Trp Tyr Arg Gly Trp Ala Pro

100 65 70 75 80

103 Pro Asp Lys Ser Ile Ile Asn Ala Thr Asp Pro

104 85 90

107 &lt;210&gt; SEQ ID NO: 3

108 &lt;211&gt; LENGTH: 120

109 &lt;212&gt; TYPE: PRT

110 &lt;213&gt; ORGANISM: Homo sapiens

112 &lt;400&gt; SEQUENCE: 3

114 Met Thr Pro Trp Leu Gly Leu Ile Val Leu Leu Gly Ser Trp Ser Leu

115 1 5 10 15

118 Gly Asp Trp Gly Ala Glu Ala Cys Thr Cys Ser Pro Ser His Pro Gln

119 20 25 30

122 Asp Ala Phe Cys Asn Ser Asp Ile Val Ile Arg Ala Lys Val Val Gly

123 35 40 45

126 Lys Lys Leu Val Lys Glu Gly Pro Phe Gly Thr Leu Val Tyr Thr Ile

127 50 55 60

130 Lys Gln Met Lys Met Tyr Arg Gly Phe Thr Lys Met Pro His Val Gln

131 65 70 75 80

134 Tyr Ile His Thr Glu Ala Ser Glu Ser Leu Cys Gly Leu Lys Leu Glu

135 85 90 95

138 Val Asn Lys Tyr Gln Tyr Leu Leu Thr Gly Arg Val Tyr Asp Gly Lys

139 100 105 110

142 Met Tyr Thr Gly Leu Cys Asn Phe

143 115 120

146 &lt;210&gt; SEQ ID NO: 4

147 &lt;211&gt; LENGTH: 1240

148 &lt;212&gt; TYPE: DNA

149 &lt;213&gt; ORGANISM: Homo sapiens

151 &lt;400&gt; SEQUENCE: 4

152 ggcgggcgggc gctcagacgg cttctcctcc tcctcttgct cctccaagct cctgctcctt 60

154 cgccgggagc ccgcccgcgc agtcctgcgc cagcgccgag gcagcctcgc tgcgccccat 120

156 cccgtccgc cgggcactcg gagggcagcg cgccggaggc caaggttgcc ccgcacggcc 180

158 cgggggcgga gcgagctcgg gctgcagcag ccccgccggc ggcgcgacg gcaactttgg 240

160 agaggcgagc agcagccccg gcagcgccgg cagcagcggc aatgaccctc tggctcgggc 300

162 tcctcgtgct cctgggcagc tggagcctgg gggactgggg cgccgaggcg tgcacatgct 360

164 cgcccagcca cccccaggac gccttctgca actccgacat cgtgatccgg gccaaagtgg 420

166 tggggaagaa gctggtaaag gaggggccc tgggcacgct ggtctacacc atcaagcaga 480

168 tgaagatgta ccgaggcttc accaagatgc cccatgtgca gtacatccat acggaagctt 540

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170 cccgagagtct ctgtggcctt aagctggagg tcaacaagta ccagtacctg ctgacaggtc      600
172 gcgtctatga tggcaagatg tacacggggc tgtgcaactt cgtggagagg tgggaccagc      660
174 tcacctcttc ccagcgcaag gggctgaact atcggtatca cctgggttgt aactgcaaga      720
176 tcaagtcctg ctactacctg ccttgctttg tgacttccaa gaacgagtgt ctctggaccg      780
178 acatgctctc caatttcggt taccctggct accagtccaa acactacgcc tgcattccggc      840
180 agaagggcgg ctactgcagc tggtagcgag gatgggcccc cccggataaa agcatcatca      900
182 atgccacaga cccctgagcg ccagaccctg cccacactca ctccctccc ttcccgtga      960
184 gcttcccttg gacactaact cttcccgat gatgacaatg aaattagtgc ctgttttctt     1020
186 gcaaatttag cacttggaac atttaaagaa aggtctatgc tgtcatatgg ggtttattgg     1080
188 gaactatcct cctggcccca cctgcccct tctttttggt tttgacatca ttcatttcca     1140
190 cctgggaatt tctggtgcca tgccagaaag aatgaggaaac ctgtattcct cttcttcgtg     1200
192 ataataataat ctctattttt ttaggaaaaa aaaaaaaaaa                        1240

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195 &lt;210&gt; SEQ ID NO: 5

196 &lt;211&gt; LENGTH: 273

197 &lt;212&gt; TYPE: DNA

198 &lt;213&gt; ORGANISM: Homo sapiens

200 &lt;400&gt; SEQUENCE: 5

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201 gtggagaggt gggaccagct caccctctcc cagcgcaagg ggctgaacta tcggtatcac      60
203 ctgggttgta actgcaagat caagtctgc tactacctgc cttgcttgt gacttccaag     120
205 aacgagtgtc tctggaccga catgctctcc aatttcggtt accctggcta ccagtccaaa     180
207 cactacgctt gcatccggca gaaggcggc tactgcagct ggtaccgagg atgggcccc      240
209 cccgataaaa gcatcatcaa tgccacagac ccc                                273

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212 &lt;210&gt; SEQ ID NO: 6

213 &lt;211&gt; LENGTH: 121

214 &lt;212&gt; TYPE: PRT

215 &lt;213&gt; ORGANISM: Homo sapiens

217 &lt;400&gt; SEQUENCE: 6

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219 Cys Thr Cys Ser Pro Ser His Pro Gln Asp Ala Phe Cys Asn Ser Asp
220 1          5          10          15
223 Ile Val Ile Arg Ala Lys Val Val Gly Lys Lys Leu Val Lys Glu Gly
224          20          25          30
227 Pro Phe Gly Thr Leu Val Tyr Thr Ile Lys Gln Met Lys Met Tyr Arg
228          35          40          45
231 Gly Phe Thr Lys Met Pro His Val Gln Tyr Ile His Thr Glu Ala Ser
232          50          55          60
235 Glu Ser Leu Cys Gly Leu Lys Leu Glu Val Asn Lys Tyr Gln Tyr Leu
236 65          70          75          80
239 Leu Thr Gly Arg Val Tyr Asp Gly Lys Met Tyr Thr Gly Leu Cys Asn
240          85          90          95
243 Phe Val Glu Arg Trp Asp Gln Leu Thr Leu Ser Gln Arg Lys Gly Leu
244          100         105         110
247 Asn Tyr Arg Tyr His Leu Gly Cys Asn
248          115         120

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251 &lt;210&gt; SEQ ID NO: 7

252 &lt;211&gt; LENGTH: 220

253 &lt;212&gt; TYPE: PRT

254 &lt;213&gt; ORGANISM: Homo sapiens

256 &lt;400&gt; SEQUENCE: 7

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258 Met Gly Ala Ala Ala Arg Thr Leu Arg Leu Ala Leu Gly Leu Leu Leu

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259 1          5          10          15
262 Leu Ala Thr Leu Leu Arg Pro Ala Asp Ala Cys Ser Cys Ser Pro Val
263          20          25          30
266 His Pro Gln Gln Ala Phe Cys Asn Ala Asp Val Val Ile Arg Ala Lys
267          35          40          45
270 Ala Val Ser Glu Lys Glu Val Asp Ser Gly Asn Asp Ile Tyr Gly Asn
271          50          55          60
274 Pro Ile Lys Arg Ile Gln Tyr Glu Ile Lys Gln Ile Lys Met Phe Lys
275 65          70          75          80
278 Gly Pro Glu Lys Asp Ile Glu Phe Ile Tyr Thr Ala Pro Ser Ser Ala
279          85          90          95
282 Val Cys Gly Val Ser Leu Asp Val Gly Gly Lys Lys Glu Tyr Leu Ile
283          100          105          110
286 Ala Gly Lys Ala Glu Gly Asp Gly Lys Met His Ile Thr Leu Cys Asp
287          115          120          125
290 Phe Ile Val Pro Trp Asp Thr Leu Ser Thr Thr Gln Lys Lys Ser Leu
291          130          135          140
294 Asn His Arg Tyr Gln Met Gly Cys Glu Cys Lys Ile Thr Arg Cys Pro
295 145          150          155          160
298 Met Ile Pro Cys Tyr Ile Ser Ser Pro Asp Glu Cys Leu Trp Met Asp
299          165          170          175
302 Trp Val Thr Glu Lys Asn Ile Asn Gly His Gln Ala Lys Phe Phe Ala
303          180          185          190
306 Cys Ile Lys Arg Ser Asp Gly Ser Cys Ala Trp Tyr Arg Gly Ala Ala
307          195          200          205
310 Pro Pro Lys Gln Glu Phe Leu Asp Ile Glu Asp Pro
311          210          215          220
314 <210> SEQ ID NO: 8
315 <211> LENGTH: 126
316 <212> TYPE: PRT
317 <213> ORGANISM: Homo sapiens
319 <400> SEQUENCE: 8
321 Cys Ser Cys Ser Pro Val His Pro Gln Gln Ala Phe Cys Asn Ala Asp
322 1          5          10          15
325 Val Val Ile Arg Ala Lys Ala Val Ser Glu Lys Glu Val Asp Ser Gly
326          20          25          30
329 Asn Asp Ile Tyr Gly Asn Pro Ile Lys Arg Ile Gln Tyr Glu Ile Lys
330          35          40          45
333 Gln Ile Lys Met Phe Lys Gly Pro Glu Lys Asp Ile Glu Phe Ile Tyr
334          50          55          60
337 Thr Ala Pro Ser Ser Ala Val Cys Gly Val Ser Leu Asp Val Gly Gly
338 65          70          75          80
341 Lys Lys Glu Tyr Leu Ile Ala Gly Lys Ala Glu Gly Asp Gly Lys Met
342          85          90          95
345 His Ile Thr Leu Cys Asp Phe Ile Val Pro Trp Asp Thr Leu Ser Thr
346          100          105          110
349 Thr Gln Lys Lys Ser Leu Asn His Arg Tyr Gln Met Gly Cys
350          115          120          125
353 <210> SEQ ID NO: 9

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## RAW SEQUENCE LISTING

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Input Set : D:\CCF sequence.ST25.txt

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354 &lt;211&gt; LENGTH: 67

355 &lt;212&gt; TYPE: PRT

356 &lt;213&gt; ORGANISM: Homo sapiens

358 &lt;400&gt; SEQUENCE: 9

360 Cys Lys Ile Lys Ser Cys Tyr Tyr Leu Pro Cys Phe Val Thr Ser Lys

361 1 5 10 15

364 Asn Glu Cys Leu Trp Thr Asp Met Leu Ser Asn Phe Gly Tyr Pro Gly

365 20 25 30

368 Tyr Gln Ser Lys His Tyr Ala Cys Ile Arg Gln Lys Gly Gly Tyr Cys

369 35 40 45

372 Ser Trp Tyr Arg Gly Trp Ala Pro Pro Asp Lys Ser Ile Ile Asn Ala

373 50 55 60

376 Thr Asp Pro

377 65

380 &lt;210&gt; SEQ ID NO: 10

381 &lt;211&gt; LENGTH: 193

382 &lt;212&gt; TYPE: PRT

383 &lt;213&gt; ORGANISM: Homo sapiens

385 &lt;400&gt; SEQUENCE: 10

387 Cys Ser Cys Ser Pro Val His Pro Gln Gln Ala Phe Cys Asn Ala Asp

388 1 5 10 15

391 Val Val Ile Arg Ala Lys Ala Val Ser Glu Lys Glu Val Asp Ser Gly

392 20 25 30

395 Asn Asp Ile Tyr Gly Asn Pro Ile Lys Arg Ile Gln Tyr Glu Ile Lys

396 35 40 45

399 Gln Ile Lys Met Phe Lys Gly Pro Glu Lys Asp Ile Glu Phe Ile Tyr

400 50 55 60

403 Thr Ala Pro Ser Ser Ala Val Cys Gly Val Ser Leu Asp Val Gly Gly

404 65 70 75 80

407 Lys Lys Glu Tyr Leu Ile Ala Gly Lys Ala Glu Gly Asp Gly Lys Met

408 85 90 95

411 His Ile Thr Leu Cys Asp Phe Ile Val Pro Trp Asp Thr Leu Ser Thr

412 100 105 110

415 Thr Gln Lys Lys Ser Leu Asn His Arg Tyr Gln Met Gly Cys Cys Lys

416 115 120 125

419 Ile Lys Ser Cys Tyr Tyr Leu Pro Cys Phe Val Thr Ser Lys Asn Glu

420 130 135 140

423 Cys Leu Trp Thr Asp Met Leu Ser Asn Phe Gly Tyr Pro Gly Tyr Gln

424 145 150 155 160

427 Ser Lys His Tyr Ala Cys Ile Arg Gln Lys Gly Gly Tyr Cys Ser Trp

428 165 170 175

431 Tyr Arg Gly Trp Ala Pro Pro Asp Lys Ser Ile Ile Asn Ala Thr Asp

432 180 185 190

435 Pro

VERIFICATION SUMMARY

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TIME: 12:14:15

Input Set : D:\CCF sequence.ST25.txt

Output Set: N:\CRF4\07202004\J804937A.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date